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Supplemental Agreement No. 3 to
Contract dated June 24, 1958

SUPPLEMENTAL AGREEMENT

to

COST PLUS FIXED-FEE CONTRACT

with

THE PERKIN-ELMER CORPORATION

Contractor: Hycon Manufacturing Company
Pasadena, California

Supplemental Agreement for: Contract Work (see schedule)

Change in Estimated Cost: \$60,322 (increase)

Change in Fixed Fee:

25X1A

DOCUMENT NO. 86
NO CHARGE IN CLASS.
 DRAFTS/REVISIONS
CLASS: 5000000000 TO 5012
NEXT REVIEW DATE: 15/11/82
AUTH: HN 10-2
DATE: 15/11/82 REVIEWER: 008632

This Supplemental Agreement made and entered into the fourth (4th) day of December 1958 amends, supplements, and revises the contract entered into between the parties hereto as of June 24, 1958, and amendments thereto as follows:

1. By adding the following new subparagraph (4) to Section A - Statement of Work:

"(4) Mycon shall continue to provide its best efforts to perform engineering studies, modifications, and ground and flight tests on the SR-73C Configuration (Serial #4) to establish improved performance and reliability in operation. Performance hereunder shall specifically include, but not necessarily be limited to the following:

a. Shutter

The existing two modified shutters will be rebuilt, temporary parts replaced with their permanent counterparts, properly adjusted and laboratory tested for reliability and accuracy. In addition two more shutters will be modified to include capping blade, and likewise extensively tested for reliability and accuracy. Thus providing a total of four shutters, all at the same level of modification, for use with C Configuration.

b. Dynamic Camera Performance

The configuration systems and related equipment will be studied to determine the source of the consistent IDC type error. This shall include testing the test equipment for accuracy and proper calibration. Test of the existing position servo system will be continued to determine servo characteristics over a wider range of temperature variation. The existing autobalance servo and mechanical system will be extensively tested for reliability and thermal characteristics. This series of tests will be directed toward determining necessity and defining accuracy and reliability of the autobalance system. The static balance stability of the configuration shall also be tested.

The above work on Dynamic Camera Performance shall be completed and the results and recommendations submitted to Perkin-Elmer for approval.

c. Fine Balance of Configuration

For the purpose of eliminating any excess trim weight a final static balancing of the configuration will be made. It is anticipated that this fine balance may be accomplished by shimming the mounts of the electrical rack. In addition, a fine balance of the rocking mirror drive will be made.

d. Repackage Lens Heater Temperature Control

The existing lens heater temperature controller components will be repackaged and, if desirable, relocated for overall optimum weight distribution. Further, the connection between controller and lens heater will be made into a polarized connector to avoid any future improper connection.

e. Six Inch Core Spools

An additional quantity of 12 six inch core spools will be fabricated so as to adequately support the next flight test program.

f. Schematic Drawings

Schematic drawings of the configuration electronic circuits will be brought up to date and two complete sets supplied to Perkin-Elmer. Also all subsequent final changes made after submission of the two sets of schematics shall be reported to Perkin-Elmer within one week of such change.

g. Data Recorder

Existing configuration data recorder will be refocused to produce a more legible data image.

h. Check Lists

Maintenance, pre and post flight checklists will be brought up to date for use in the flight test program. The check lists will be directed toward operational use of the configuration by military personnel as well as field representatives. It is anticipated that these lists will be reviewed and, if necessary, modified at the end of the next test flight phase.

i. Engineering Services

In addition to the above specific work areas, engineering services will be provided for:

- (1) Conferences at Hycon, PECO, Test Site and Wright Field.
- (2) Engineering studies requested by PECO, or requested by Hycon and approved by PECO as are within the scope of this contract.
- (3) Test Site engineering support of the flight test program.
- (4) Systems integration.
- (5) Installation, alignment, and test of optics including participation in laboratory tests of optical quality.
- (6) Evaluation of flight test photographic and instrumentation test results.
- (7) Keeping Perkin-Elmer fully informed of all changes, test procedures, modifications and results, etc.

j. The work called for herein shall be accomplished in accordance with the attached schedule, Exhibit "B".

2. By deleting the date "30 September 1958" contained in Section B - Delivery, and substituting in lieu thereof the date "31 December 1958."

3. By increasing the Estimated Cost set forth in Section C - Estimated Cost, by the sum of \$60,322. The total Estimated Cost for this contract, exclusive of Fixed Fee, is \$141,755.

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4. By increasing the Fixed Fee set forth in Section D - Fixed Fee, by
the sum of [REDACTED] The total Fixed Fee for this contract is [REDACTED]

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IN WITNESS WHEREOF, the parties hereto have caused this Supplemental
Agreement to be duly executed as of the day and year first above
written.

THE PENGUIN-KLMER CORPORATION

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